

Title (en)
RECOVERY PROCESS

Title (de)
VERFAHREN ZUR RÜCKGEWINNUNG

Title (fr)
PROCÉDÉ DE RÉCUPÉRATION

Publication
EP 3204528 A4 20180523 (EN)

Application
EP 15848288 A 20151009

Priority
• AU 2014904050 A 20141010
• AU 2015000608 W 20151009

Abstract (en)
[origin: WO2016054683A1] A process for the recovery of lithium from lithium bearing mica rich minerals, the process comprising passing an ore (1) containing one or more lithium bearing mica rich minerals to at least one pre-treatment step (50), passing the pre-treated ore to an acid leach step (60) thereby producing a pregnant leach solution, subjecting the pregnant leach solution to a series of process steps (80, 140, 160, 180, 200) in which one or more impurity metals are removed, and recovering lithium as a lithium containing salt product (44).

IPC 8 full level
C22B 26/12 (2006.01); **C01D 15/08** (2006.01); **C01F 7/0686** (2022.01); **C22B 3/08** (2006.01)

CPC (source: EP US)
C01D 15/08 (2013.01 - EP US); **C01F 7/0686** (2013.01 - US); **C22B 1/00** (2013.01 - EP US); **C22B 3/08** (2013.01 - EP US); **C22B 3/20** (2013.01 - EP US); **C22B 3/22** (2013.01 - US); **C22B 3/44** (2013.01 - EP US); **C22B 26/12** (2013.01 - EP); **Y02P 10/20** (2015.11 - EP US)

Citation (search report)
• [X] CA 1297265 C 19920317 - METALLGESELLSCHAFT AG [DE]
• [X] WO 2011082444 A1 20110714 - GALAXY RESOURCES LTD [AU], et al
• [X] WO 2013140039 A1 20130926 - OUTOTEC OYJ [FI]
• [X] WO 2014026217 A1 20140220 - REED IND MINERALS PTY LTD [AU], et al
• [X] CN 101186968 A 20080528 - DIANFENG LITHIUM INDUSTRY CO L [CN]
• See references of WO 2016054683A1

Cited by
RU2749598C1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016054683 A1 20160414; AU 2015330958 A1 20170323; AU 2015330958 B2 20191128; CA 2962070 A1 20160414; CA 2962070 C 20231024; EP 3204528 A1 20170816; EP 3204528 A4 20180523; EP 3204528 B1 20200701; ES 2806425 T3 20210217; JP 2017537221 A 20171214; JP 6687608 B2 20200422; PT 3204528 T 20200715; US 10450630 B2 20191022; US 2017233848 A1 20170817

DOCDB simple family (application)
AU 2015000608 W 20151009; AU 2015330958 A 20151009; CA 2962070 A 20151009; EP 15848288 A 20151009; ES 15848288 T 20151009; JP 2017518134 A 20151009; PT 15848288 T 20151009; US 201515514688 A 20151009